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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,813	10/30/2003	Cheng Chung Wang	10111394	1309

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QUINTERO LAW OFFICE
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EXAMINER

HEWITT, JAMES M

ART UNIT	PAPER NUMBER
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3679

DATE MAILED: 08/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/696,813	Applicant(s) WANG, CHENG CHUNG	
	Examiner James M. Hewitt	Art Unit 3679	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/23/06 and 5/5/06.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) 4,15,16 and 18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5 and 8-11 is/are rejected.
- 7) ☒ Claim(s) 6,7,12-14,17 and 19 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 January 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Species I in the reply filed on 5/5/06 is acknowledged.

Claims 4, 15, 16 and 18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 5/5/06.

Specification

The amendment filed 7/22/05 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows:

The last sentence in the first paragraph added at page 2, line 1, which implies that a two-way valve device may be used in embodiments other than that of Figure 5. This is unsupported by the original disclosure. The Examiner suggests inserting the phrase "In another embodiment" to precede the sentence.

The second paragraph added at page 2, line 1. The valve switch that is provided to selectively open the first or the second valve is distinct to the embodiment of Figure 6, and does not include a cam element, a bar and a spring.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown (US 5,806,115).

With respect to claim 1, Brown discloses an inflatable product, including: a first chamber (35 or 21); a first pack (22) having an air intake connected to the outside the first chamber and first outlet connected to the inside the first chamber; a first valve for opening and closing the first outlet, wherein the first valve is a two-way valve (see col. 27, line 49 – col. 29, line 3) received in the pack (refer to Figures 15-23); a fan and motor received in the pack, wherein air is pumped by the fan and motor from the outside of the first chamber through the air intake and the first valve and then into the first chamber from the first air outlet (refer to Figures 15-23 and col. 25, line 9 – col. 29, line 19).

With respect to claim 2, further including a second chamber (36 or 21), and the pack further having a second outlet connected to the second air chamber so that the fan and motor pump air into the second chamber through the second air outlet.

With respect to claim 3, further including a second valve for opening and closing the second air outlet. Refer to Figures 15-23 and col. 25, line 9 – col. 29, line 19.

With respect to claim 5, further including a valve switch (rocker switch) to open the first valve.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5 and 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hargin (US 388,037).

With respect to claims 1 and 8, Hargin discloses an inflatable product, including: a first chamber (E); a first pack (shown in its entirety in Figure 4) having an air intake (e') connected to the outside the first chamber and first outlet (g) connected to the inside the first chamber; a first valve (g') for manually opening and closing the first outlet, wherein the first valve is a two-way valve received in the pack (see Figure 4). Hargin fails to teach a fan and motor received in the pack for inflating air from the outside of the first chamber through the intake into the pack and then from the air outlet into the first chamber. Hargin instead uses the spring-actuated lid to inflate air from the outside of the first chamber through the intake into the pack and then from the air outlet into the first chamber. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ an electrical pump comprising a fan and a motor in place of the spring-actuated lid since it has been held to be within the general skill of

a worker in the art to automate a manual activity. In addition, it should be understood that making such a modification is one of standard engineering knowledge and principle.

With respect to claims 2 and 9, further including a second chamber (E), the pack further having a second air outlet (g) connected the second chamber so that the fan and motor pump air into the second chamber through the second air outlet.

With respect to claims 3 and 10, further including a second valve (g') opening and closing the second air outlet.

With respect to claims 5 and 11, Hargin fails to teach a valve switch to open the first valve. As Applicant did not properly challenge the examiner's taking of official notice of the use a switch to open a valve, such is taken as admitted prior art. And it would have been obvious to employ such a switch in order to control the opening and closing of the first valve (g').

Allowable Subject Matter

Claims 6-7, 12-14, 17 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments filed 1/23/06 have been fully considered but they are not persuasive.

Applicant asserts that Brown does not teach a two-way valve. The Examiner disagrees. Refer to the above rejection.

Applicant asserts that Hargin does not teach a two-way valve. The Examiner disagrees. Hargin's valve (g') is a two-way valve insofar as it can permit air to be passed through the partition (D) in two directions.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

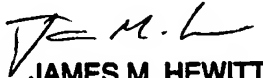
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M. Hewitt whose telephone number is 571-272-7084.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Stodola can be reached on 571-272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMH
7/24/06


JAMES M. HEWITT
PRIMARY EXAMINER